

19 August, 2003

Bruce Lewis  
Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
Sacramento, CA 95833

RE: Aerojet RI/FS  
Work Order: P308004

Enclosed are the results of analyses for samples received by the laboratory on 07/29/03 17:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angelee Cari  
Project Manager

CA ELAP Certificate #2374

Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
Sacramento CA, 95833

Project: Aerojet RI/FS  
Project Number: N/A  
Project Manager: Bruce Lewis

P308004  
**Reported:**  
08/19/03 16:23

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
35D-SB26-20	P308004-01	Soil	07/28/03 16:15	07/29/03 17:05
35D-SB26-25	P308004-02	Soil	07/28/03 16:42	07/29/03 17:05
37D-SB01-2.5	P308004-03	Soil	07/29/03 10:20	07/29/03 17:05
37D-SB01-6	P308004-04	Soil	07/29/03 10:39	07/29/03 17:05
37D-SB01-10	P308004-05	Soil	07/29/03 10:46	07/29/03 17:05
37D-SB01-15E	P308004-06	Water	07/29/03 11:00	07/29/03 17:05
37D-SB01-15	P308004-07	Soil	07/29/03 11:11	07/29/03 17:05
37D-SB01-20	P308004-08	Soil	07/29/03 11:32	07/29/03 17:05
37D-SB01-25	P308004-09	Soil	07/29/03 11:56	07/29/03 17:05
37D-SB01-30	P308004-10	Soil	07/29/03 12:17	07/29/03 17:05
37D-SB01-30D	P308004-11	Soil	07/29/03 12:17	07/29/03 17:05
37D-SB01-35	P308004-12	Soil	07/29/03 12:40	07/29/03 17:05
37D-SB01-40	P308004-13	Soil	07/29/03 13:12	07/29/03 17:05

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Project: Aerojet RI/FS  
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P308004  
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08/19/03 16:23

### Total Petroleum Hydrocarbons as Diesel & others by EPA 8015B Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-2.5 (P308004-03) Soil    Sampled: 07/29/03 10:20    Received: 07/29/03 17:05</b>										
<b>Diesel Range Organics (C10-C28)</b>	<b>24</b>		5.0	mg/kg	1	3080068	08/05/03	08/07/03	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>	<i>174 %</i>		<i>52-133</i>			<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>S-02</i>
<b>37D-SB01-6 (P308004-04) Soil    Sampled: 07/29/03 10:39    Received: 07/29/03 17:05</b>										
<b>Diesel Range Organics (C10-C28)</b>	<b>6.2</b>		5.0	mg/kg	1	3080068	08/05/03	08/07/03	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>	<i>120 %</i>		<i>52-133</i>			<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<b>37D-SB01-10 (P308004-05) Soil    Sampled: 07/29/03 10:46    Received: 07/29/03 17:05</b>										
Diesel Range Organics (C10-C28)	ND		5.0	mg/kg	1	3080068	08/05/03	08/07/03	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>	<i>97 %</i>		<i>52-133</i>			<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<b>37D-SB01-15E (P308004-06) Water    Sampled: 07/29/03 11:00    Received: 07/29/03 17:05</b>										
Diesel Range Organics (C10-C28)	ND		0.050	mg/l	1	3080053	08/05/03	08/07/03	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>	<i>108 %</i>		<i>54-141</i>			<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<b>37D-SB01-15 (P308004-07) Soil    Sampled: 07/29/03 11:11    Received: 07/29/03 17:05</b>										
<b>Diesel Range Organics (C10-C28)</b>	<b>5.7</b>		5.0	mg/kg	1	3080068	08/05/03	08/07/03	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>	<i>119 %</i>		<i>52-133</i>			<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<b>37D-SB01-20 (P308004-08) Soil    Sampled: 07/29/03 11:32    Received: 07/29/03 17:05</b>										
<b>Diesel Range Organics (C10-C28)</b>	<b>18</b>		5.0	mg/kg	1	3080068	08/05/03	08/07/03	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>	<i>156 %</i>		<i>52-133</i>			<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>S-02</i>
<b>37D-SB01-25 (P308004-09) Soil    Sampled: 07/29/03 11:56    Received: 07/29/03 17:05</b>										
Diesel Range Organics (C10-C28)	ND		5.0	mg/kg	1	3080068	08/05/03	08/07/03	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>	<i>97 %</i>		<i>52-133</i>			<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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### Total Petroleum Hydrocarbons as Diesel & others by EPA 8015B Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-30 (P308004-10) Soil    Sampled: 07/29/03 12:17    Received: 07/29/03 17:05</b>										
Diesel Range Organics (C10-C28)	ND		5.0	mg/kg	1	3080068	08/05/03	08/07/03	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		92 %	52-133			"	"	"	"	
<b>37D-SB01-30D (P308004-11) Soil    Sampled: 07/29/03 12:17    Received: 07/29/03 17:05</b>										
Diesel Range Organics (C10-C28)	ND		5.0	mg/kg	1	3080068	08/05/03	08/07/03	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		100 %	52-133			"	"	"	"	
<b>37D-SB01-35 (P308004-12) Soil    Sampled: 07/29/03 12:40    Received: 07/29/03 17:05</b>										
Diesel Range Organics (C10-C28)	ND		5.0	mg/kg	1	3080068	08/05/03	08/07/03	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		102 %	52-133			"	"	"	"	
<b>37D-SB01-40 (P308004-13) Soil    Sampled: 07/29/03 13:12    Received: 07/29/03 17:05</b>										
Diesel Range Organics (C10-C28)	ND		5.0	mg/kg	1	3080068	08/05/03	08/07/03	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		102 %	52-133			"	"	"	"	

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### Tentatively Identified Compounds by GC/MS

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>35D-SB26-20 (P308004-01) Soil    Sampled: 07/28/03 16:15    Received: 07/29/03 17:05</b>										
No TICs found	ND		300	ug/kg	1	3080047	08/05/03	08/13/03	EPA 8270C	
<b>35D-SB26-25 (P308004-02) Soil    Sampled: 07/28/03 16:42    Received: 07/29/03 17:05</b>										
No TICs found	ND		300	ug/kg	1	3080047	08/05/03	08/13/03	EPA 8270C	
<b>37D-SB01-6 (P308004-04) Soil    Sampled: 07/29/03 10:39    Received: 07/29/03 17:05</b>										
No TICs found	ND		300	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
<b>37D-SB01-10 (P308004-05) Soil    Sampled: 07/29/03 10:46    Received: 07/29/03 17:05</b>										
No TICs found	ND		300	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
<b>37D-SB01-15E (P308004-06) Water    Sampled: 07/29/03 11:00    Received: 07/29/03 17:05</b>										
No TICs found	ND		10	ug/l	1	3080056	08/05/03	08/13/03	EPA 8270C	
<b>37D-SB01-15 (P308004-07) Soil    Sampled: 07/29/03 11:11    Received: 07/29/03 17:05</b>										
No TICs found	ND		300	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
<b>37D-SB01-20 (P308004-08) Soil    Sampled: 07/29/03 11:32    Received: 07/29/03 17:05</b>										
No TICs found	ND		300	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
<b>37D-SB01-25 (P308004-09) Soil    Sampled: 07/29/03 11:56    Received: 07/29/03 17:05</b>										
No TICs found	ND		300	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
<b>37D-SB01-30 (P308004-10) Soil    Sampled: 07/29/03 12:17    Received: 07/29/03 17:05</b>										
No TICs found	ND		300	ug/kg	1	3080047	08/05/03	08/13/03	EPA 8270C	

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### Tentatively Identified Compounds by GC/MS

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-30D (P308004-11) Soil    Sampled: 07/29/03 12:17    Received: 07/29/03 17:05</b>										
No TICs found	ND		300	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
<b>37D-SB01-35 (P308004-12) Soil    Sampled: 07/29/03 12:40    Received: 07/29/03 17:05</b>										
No TICs found	ND		300	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
<b>37D-SB01-40 (P308004-13) Soil    Sampled: 07/29/03 13:12    Received: 07/29/03 17:05</b>										
No TICs found	ND		300	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	

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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>35D-SB26-20 (P308004-01) Soil    Sampled: 07/28/03 16:15    Received: 07/29/03 17:05</b>										
Acenaphthene	ND	8.7	330	ug/kg	1	3080047	08/05/03	08/13/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
<b>Bis(2-ethylhexyl)phthalate</b>	<b>38</b>	9.3	330	"	"	"	"	"	"	J
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>35D-SB26-20 (P308004-01) Soil    Sampled: 07/28/03 16:15    Received: 07/29/03 17:05</b>										
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080047	08/05/03	08/13/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		70 %	11-120			"	"	"	"	
Surrogate: Phenol-d6		78 %	16-130			"	"	"	"	
Surrogate: Nitrobenzene-d5		82 %	16-126			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		84 %	28-134			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		89 %	51-144			"	"	"	"	
Surrogate: Terphenyl-d14		108 %	64-119			"	"	"	"	



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### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>35D-SB26-25 (P308004-02) Soil    Sampled: 07/28/03 16:42    Received: 07/29/03 17:05</b>										
Acenaphthene	ND	8.7	330	ug/kg	1	3080047	08/05/03	08/13/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>35D-SB26-25 (P308004-02) Soil    Sampled: 07/28/03 16:42    Received: 07/29/03 17:05</b>										
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080047	08/05/03	08/13/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		70 %	11-120			"	"	"	"	
Surrogate: Phenol-d6		79 %	16-130			"	"	"	"	
Surrogate: Nitrobenzene-d5		84 %	16-126			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		82 %	28-134			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		84 %	51-144			"	"	"	"	
Surrogate: Terphenyl-d14		108 %	64-119			"	"	"	"	

Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
Sacramento CA, 95833

Project: Aerojet RI/FS  
Project Number: N/A  
Project Manager: Bruce Lewis

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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-6 (P308004-04) Soil    Sampled: 07/29/03 10:39    Received: 07/29/03 17:05</b>										
Acenaphthene	ND	8.7	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

Environmental Resources Management  
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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-6 (P308004-04) Soil    Sampled: 07/29/03 10:39    Received: 07/29/03 17:05</b>										
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		64 %	11-120			"	"	"	"	
Surrogate: Phenol-d6		73 %	16-130			"	"	"	"	
Surrogate: Nitrobenzene-d5		74 %	16-126			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		76 %	28-134			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		83 %	51-144			"	"	"	"	
Surrogate: Terphenyl-d14		108 %	64-119			"	"	"	"	

Environmental Resources Management  
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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-10 (P308004-05) Soil    Sampled: 07/29/03 10:46    Received: 07/29/03 17:05</b>										
Acenaphthene	ND	8.7	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

Environmental Resources Management  
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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-10 (P308004-05) Soil    Sampled: 07/29/03 10:46    Received: 07/29/03 17:05</b>										
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		65 %	11-120			"	"	"	"	
Surrogate: Phenol-d6		71 %	16-130			"	"	"	"	
Surrogate: Nitrobenzene-d5		75 %	16-126			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		77 %	28-134			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		76 %	51-144			"	"	"	"	
Surrogate: Terphenyl-d14		99 %	64-119			"	"	"	"	

Environmental Resources Management  
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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-15E (P308004-06) Water    Sampled: 07/29/03 11:00    Received: 07/29/03 17:05</b>										
Acenaphthene	ND	1.2	10	ug/l	1	3080056	08/05/03	08/13/03	EPA 8270C	
Acenaphthylene	ND	1.4	10	"	"	"	"	"	"	
Anthracene	ND	0.60	10	"	"	"	"	"	"	
Azobenzene	ND	0.63	20	"	"	"	"	"	"	
Benzidine	ND	3.2	50	"	"	"	"	"	"	
Benzoic acid	ND	3.9	50	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.44	10	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	1.1	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.64	10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.87	10	"	"	"	"	"	"	
Benzyl alcohol	ND	3.9	20	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	1.1	10	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	1.5	10	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	1.5	10	"	"	"	"	"	"	
<b>Bis(2-ethylhexyl)phthalate</b>	<b>3.8</b>	2.8	10	"	"	"	"	"	"	<b>J</b>
4-Bromophenyl phenyl ether	ND	0.70	10	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	2.7	10	"	"	"	"	"	"	
4-Chloroaniline	ND	0.55	20	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	2.3	20	"	"	"	"	"	"	
2-Chloronaphthalene	ND	1.4	10	"	"	"	"	"	"	
2-Chlorophenol	ND	0.31	10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.97	10	"	"	"	"	"	"	
Chrysene	ND	0.45	10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.55	10	"	"	"	"	"	"	
Dibenzofuran	ND	1.1	10	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	1.1	10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.8	10	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	2.9	20	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.47	10	"	"	"	"	"	"	
Diethyl phthalate	ND	0.42	10	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1.4	10	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.56	10	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	3.4	50	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	2.3	50	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.82	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.76	10	"	"	"	"	"	"	

Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
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Project: Aerojet RI/FS  
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Project Manager: Bruce Lewis

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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-15E (P308004-06) Water    Sampled: 07/29/03 11:00    Received: 07/29/03 17:05</b>										
Di-n-octyl phthalate	ND	0.81	10	ug/l	1	3080056	08/05/03	08/13/03	EPA 8270C	
Fluoranthene	ND	0.44	10	"	"	"	"	"	"	
Fluorene	ND	1.0	10	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.79	10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.5	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	0.31	10	"	"	"	"	"	"	
Hexachloroethane	ND	1.7	10	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.61	10	"	"	"	"	"	"	
Isophorone	ND	0.71	10	"	"	"	"	"	"	
2-Methylnaphthalene	ND	1.4	10	"	"	"	"	"	"	
2-Methylphenol	ND	3.4	10	"	"	"	"	"	"	
4-Methylphenol	ND	3.0	10	"	"	"	"	"	"	
Naphthalene	ND	1.6	10	"	"	"	"	"	"	
2-Nitroaniline	ND	0.69	50	"	"	"	"	"	"	
3-Nitroaniline	ND	0.54	50	"	"	"	"	"	"	
4-Nitroaniline	ND	0.61	50	"	"	"	"	"	"	
Nitrobenzene	ND	1.3	10	"	"	"	"	"	"	
2-Nitrophenol	ND	0.42	10	"	"	"	"	"	"	
4-Nitrophenol	ND	0.51	50	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	1.4	20	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	3.9	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.58	10	"	"	"	"	"	"	
Pentachlorophenol	ND	3.1	50	"	"	"	"	"	"	
Phenanthrene	ND	0.56	10	"	"	"	"	"	"	
Phenol	ND	0.48	10	"	"	"	"	"	"	
Pyrene	ND	0.28	10	"	"	"	"	"	"	
Pyridine	ND	3.8	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.7	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.61	10	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.31	10	"	"	"	"	"	"	
<hr/>										
Surrogate: 2-Fluorophenol		63 %	15-103			"	"	"	"	
Surrogate: Phenol-d6		81 %	18-115			"	"	"	"	
Surrogate: Nitrobenzene-d5		95 %	39-103			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		98 %	40-124			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		104 %	11-142			"	"	"	"	
Surrogate: Terphenyl-d14		120 %	56-139			"	"	"	"	



Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
Sacramento CA, 95833

Project: Aerojet RI/FS  
Project Number: N/A  
Project Manager: Bruce Lewis

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08/19/03 16:23

### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-15 (P308004-07) Soil    Sampled: 07/29/03 11:11    Received: 07/29/03 17:05</b>										
Acenaphthene	ND	8.7	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

Environmental Resources Management  
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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-15 (P308004-07) Soil    Sampled: 07/29/03 11:11    Received: 07/29/03 17:05</b>										
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		64 %	11-120			"	"	"	"	
Surrogate: Phenol-d6		73 %	16-130			"	"	"	"	
Surrogate: Nitrobenzene-d5		77 %	16-126			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		81 %	28-134			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		76 %	51-144			"	"	"	"	
Surrogate: Terphenyl-d14		103 %	64-119			"	"	"	"	

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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-20 (P308004-08) Soil    Sampled: 07/29/03 11:32    Received: 07/29/03 17:05</b>										
Acenaphthene	ND	8.7	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

Environmental Resources Management  
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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-20 (P308004-08) Soil    Sampled: 07/29/03 11:32    Received: 07/29/03 17:05</b>										
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		69 %	11-120			"	"	"	"	
Surrogate: Phenol-d6		78 %	16-130			"	"	"	"	
Surrogate: Nitrobenzene-d5		84 %	16-126			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		87 %	28-134			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		84 %	51-144			"	"	"	"	
Surrogate: Terphenyl-d14		108 %	64-119			"	"	"	"	

Environmental Resources Management  
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### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-25 (P308004-09) Soil    Sampled: 07/29/03 11:56    Received: 07/29/03 17:05</b>										
Acenaphthene	ND	8.7	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-25 (P308004-09) Soil    Sampled: 07/29/03 11:56    Received: 07/29/03 17:05</b>										
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		66 %	11-120			"	"	"	"	
Surrogate: Phenol-d6		74 %	16-130			"	"	"	"	
Surrogate: Nitrobenzene-d5		74 %	16-126			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		65 %	28-134			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		79 %	51-144			"	"	"	"	
Surrogate: Terphenyl-d14		103 %	64-119			"	"	"	"	

Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
Sacramento CA, 95833

Project: Aerojet RI/FS  
Project Number: N/A  
Project Manager: Bruce Lewis

P308004  
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08/19/03 16:23

### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-30 (P308004-10) Soil    Sampled: 07/29/03 12:17    Received: 07/29/03 17:05</b>										
Acenaphthene	ND	8.7	330	ug/kg	1	3080047	08/05/03	08/13/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

Environmental Resources Management  
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Sacramento CA, 95833

Project: Aerojet RI/FS  
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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-30 (P308004-10) Soil    Sampled: 07/29/03 12:17    Received: 07/29/03 17:05</b>										
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080047	08/05/03	08/13/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		67 %	11-120			"	"	"	"	
Surrogate: Phenol-d6		75 %	16-130			"	"	"	"	
Surrogate: Nitrobenzene-d5		78 %	16-126			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		76 %	28-134			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		82 %	51-144			"	"	"	"	
Surrogate: Terphenyl-d14		103 %	64-119			"	"	"	"	



Environmental Resources Management  
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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-30D (P308004-11) Soil Sampled: 07/29/03 12:17 Received: 07/29/03 17:05</b>										
Acenaphthene	ND	8.7	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
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### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-30D (P308004-11) Soil    Sampled: 07/29/03 12:17    Received: 07/29/03 17:05</b>										
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		68 %	11-120			"	"	"	"	
Surrogate: Phenol-d6		76 %	16-130			"	"	"	"	
Surrogate: Nitrobenzene-d5		79 %	16-126			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		78 %	28-134			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		81 %	51-144			"	"	"	"	
Surrogate: Terphenyl-d14		105 %	64-119			"	"	"	"	

Environmental Resources Management  
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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-35 (P308004-12) Soil    Sampled: 07/29/03 12:40    Received: 07/29/03 17:05</b>										
Acenaphthene	ND	8.7	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
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Project: Aerojet RI/FS  
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Project Manager: Bruce Lewis

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### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-35 (P308004-12) Soil    Sampled: 07/29/03 12:40    Received: 07/29/03 17:05</b>										
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		64 %	11-120			"	"	"	"	
Surrogate: Phenol-d6		73 %	16-130			"	"	"	"	
Surrogate: Nitrobenzene-d5		74 %	16-126			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		69 %	28-134			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		76 %	51-144			"	"	"	"	
Surrogate: Terphenyl-d14		104 %	64-119			"	"	"	"	

Environmental Resources Management  
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Project: Aerojet RI/FS  
Project Number: N/A  
Project Manager: Bruce Lewis

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### Semivolatile Organic Compounds by EPA Method 8270C

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-40 (P308004-13) Soil    Sampled: 07/29/03 13:12    Received: 07/29/03 17:05</b>										
Acenaphthene	ND	8.7	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Acenaphthylene	ND	7.6	330	"	"	"	"	"	"	
Anthracene	ND	14	330	"	"	"	"	"	"	
Azobenzene	ND	20	330	"	"	"	"	"	"	
Benzidine	ND	1700	1700	"	"	"	"	"	"	
Benzoic acid	ND	2.7	1700	"	"	"	"	"	"	
Benzo (a) anthracene	ND	7.6	330	"	"	"	"	"	"	
Benzo (b+k) fluoranthene (total)	ND	13	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	8.8	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	330	"	"	"	"	"	"	
Benzyl alcohol	ND	11	660	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	9.1	330	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	15	330	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	16	330	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	11	330	"	"	"	"	"	"	
4-Chloroaniline	ND	58	660	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	11	660	"	"	"	"	"	"	
2-Chloronaphthalene	ND	9.9	330	"	"	"	"	"	"	
2-Chlorophenol	ND	16	330	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	13	330	"	"	"	"	"	"	
Chrysene	ND	11	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	18	330	"	"	"	"	"	"	
Dibenzofuran	ND	9.6	330	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	12	330	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	16	330	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	14	330	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	15	330	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	44	660	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	15	330	"	"	"	"	"	"	
Diethyl phthalate	ND	14	330	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	36	330	"	"	"	"	"	"	
Dimethyl phthalate	ND	11	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	17	1700	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10	1700	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	20	330	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	13	330	"	"	"	"	"	"	

Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
Sacramento CA, 95833

Project: Aerojet RI/FS  
Project Number: N/A  
Project Manager: Bruce Lewis

P308004  
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08/19/03 16:23

### Semivolatile Organic Compounds by EPA Method 8270C Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>37D-SB01-40 (P308004-13) Soil    Sampled: 07/29/03 13:12    Received: 07/29/03 17:05</b>										
Di-n-octyl phthalate	ND	11	330	ug/kg	1	3080047	08/05/03	08/14/03	EPA 8270C	
Fluoranthene	ND	11	330	"	"	"	"	"	"	
Fluorene	ND	7.9	330	"	"	"	"	"	"	
Hexachlorobenzene	ND	15	330	"	"	"	"	"	"	
Hexachlorobutadiene	ND	17	330	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	10	330	"	"	"	"	"	"	
Hexachloroethane	ND	17	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	11	330	"	"	"	"	"	"	
Isophorone	ND	14	330	"	"	"	"	"	"	
2-Methylnaphthalene	ND	10	330	"	"	"	"	"	"	
2-Methylphenol	ND	16	330	"	"	"	"	"	"	
4-Methylphenol	ND	11	330	"	"	"	"	"	"	
Naphthalene	ND	13	330	"	"	"	"	"	"	
2-Nitroaniline	ND	17	1700	"	"	"	"	"	"	
3-Nitroaniline	ND	18	1700	"	"	"	"	"	"	
4-Nitroaniline	ND	22	1700	"	"	"	"	"	"	
Nitrobenzene	ND	16	330	"	"	"	"	"	"	
2-Nitrophenol	ND	14	330	"	"	"	"	"	"	
4-Nitrophenol	ND	23	1700	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	16	330	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	17	330	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	15	330	"	"	"	"	"	"	
Pentachlorophenol	ND	12	1700	"	"	"	"	"	"	
Phenanthrene	ND	14	330	"	"	"	"	"	"	
Phenol	ND	12	330	"	"	"	"	"	"	
Pyrene	ND	12	330	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	15	330	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	14	330	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	9.4	330	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		67 %	11-120			"	"	"	"	
Surrogate: Phenol-d6		75 %	16-130			"	"	"	"	
Surrogate: Nitrobenzene-d5		77 %	16-126			"	"	"	"	
Surrogate: 2-Fluorobiphenyl		75 %	28-134			"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		82 %	51-144			"	"	"	"	
Surrogate: Terphenyl-d14		105 %	64-119			"	"	"	"	

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## Total Petroleum Hydrocarbons as Diesel & others by EPA 8015B - Quality Control

### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 3080053 - EPA 3510C

##### Blank (3080053-BLK1)

Prepared: 08/05/03 Analyzed: 08/07/03

Diesel Range Organics (C10-C28)	ND		0.050	mg/l							
Surrogate: Octacosane	0.0557			"	0.0500		111	54-141			

##### Laboratory Control Sample (3080053-BS1)

Prepared: 08/05/03 Analyzed: 08/07/03

Diesel Range Organics (C10-C28)	0.920		0.050	mg/l	1.00		92	49-102			
Surrogate: Octacosane	0.0569			"	0.0500		114	54-141			

##### Laboratory Control Sample Dup (3080053-BSD1)

Prepared: 08/05/03 Analyzed: 08/07/03

Diesel Range Organics (C10-C28)	0.901		0.050	mg/l	1.00		90	49-102	2	20	
Surrogate: Octacosane	0.0569			"	0.0500		114	54-141			

#### Batch 3080068 - CA LUFT - orb shaker

##### Blank (3080068-BLK1)

Prepared: 08/05/03 Analyzed: 08/07/03

Diesel Range Organics (C10-C28)	ND		5.0	mg/kg							
Surrogate: Octacosane	1.44			"	1.67		86	52-133			

##### Laboratory Control Sample (3080068-BS1)

Prepared: 08/05/03 Analyzed: 08/12/03

Diesel Range Organics (C10-C28)	30.4		5.0	mg/kg	33.3		91	62-103			
Surrogate: Octacosane	1.77			"	1.67		106	52-133			

##### Matrix Spike (3080068-MS1)

Source: P308004-10

Prepared: 08/05/03 Analyzed: 08/07/03

Diesel Range Organics (C10-C28)	27.5		5.0	mg/kg	33.3	1.9	77	62-103			
Surrogate: Octacosane	1.58			"	1.67		95	52-133			

##### Matrix Spike Dup (3080068-MSD1)

Source: P308004-10

Prepared: 08/05/03 Analyzed: 08/07/03

Diesel Range Organics (C10-C28)	28.2		5.0	mg/kg	33.3	1.9	79	62-103	3	35	
Surrogate: Octacosane	1.68			"	1.67		101	52-133			

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08/19/03 16:23

### Tentatively Identified Compounds by GC/MS - Quality Control

#### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3080047 - EPA 3550A Sonication**
**Blank (3080047-BLK1)**

Prepared: 08/05/03 Analyzed: 08/13/03

No TICs found ND 300 ug/kg

**Batch 3080056 - EPA 3520B LiqLiquid**
**Blank (3080056-BLK1)**

Prepared: 08/05/03 Analyzed: 08/13/03

No TICs found ND 10 ug/l



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## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 3080047 - EPA 3550A Sonication

##### Blank (3080047-BLK1)

Prepared: 08/05/03 Analyzed: 08/13/03

Acenaphthene	ND	8.7	330	ug/kg
Acenaphthylene	ND	7.6	330	"
Anthracene	ND	14	330	"
Azobenzene	ND	20	330	"
Benzidine	ND	1700	1700	"
Benzoic acid	ND	2.7	1700	"
Benzo (a) anthracene	ND	7.6	330	"
Benzo (b+k) fluoranthene (total)	ND	13	330	"
Benzo (g,h,i) perylene	ND	8.8	330	"
Benzo (a) pyrene	ND	10	330	"
Benzyl alcohol	ND	11	660	"
Bis(2-chloroethoxy)methane	ND	9.1	330	"
Bis(2-chloroethyl)ether	ND	15	330	"
Bis(2-chloroisopropyl)ether	ND	16	330	"
Bis(2-ethylhexyl)phthalate	ND	9.3	330	"
4-Bromophenyl phenyl ether	ND	13	330	"
Butyl benzyl phthalate	ND	11	330	"
4-Chloroaniline	ND	58	660	"
4-Chloro-3-methylphenol	ND	11	660	"
2-Chloronaphthalene	ND	9.9	330	"
2-Chlorophenol	ND	16	330	"
4-Chlorophenyl phenyl ether	ND	13	330	"
Chrysene	ND	11	330	"
Dibenz (a,h) anthracene	ND	18	330	"
Dibenzofuran	ND	9.6	330	"
Di-n-butyl phthalate	ND	12	330	"
1,2-Dichlorobenzene	ND	16	330	"
1,3-Dichlorobenzene	ND	14	330	"
1,4-Dichlorobenzene	ND	15	330	"
3,3'-Dichlorobenzidine	ND	44	660	"
2,4-Dichlorophenol	ND	15	330	"
Diethyl phthalate	ND	14	330	"
2,4-Dimethylphenol	ND	36	330	"
Dimethyl phthalate	ND	11	330	"
4,6-Dinitro-2-methylphenol	ND	17	1700	"
2,4-Dinitrophenol	ND	10	1700	"
2,4-Dinitrotoluene	ND	20	330	"

Sequoia Analytical - Petaluma

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Project Number: N/A  
Project Manager: Bruce Lewis

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08/19/03 16:23

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 3080047 - EPA 3550A Sonication

##### Blank (3080047-BLK1)

Prepared: 08/05/03 Analyzed: 08/13/03

2,6-Dinitrotoluene	ND	13	330	ug/kg							
Di-n-octyl phthalate	ND	11	330	"							
Fluoranthene	ND	11	330	"							
Fluorene	ND	7.9	330	"							
Hexachlorobenzene	ND	15	330	"							
Hexachlorobutadiene	ND	17	330	"							
Hexachlorocyclopentadiene	ND	10	330	"							
Hexachloroethane	ND	17	330	"							
Indeno (1,2,3-cd) pyrene	ND	11	330	"							
Isophorone	ND	14	330	"							
2-Methylnaphthalene	ND	10	330	"							
2-Methylphenol	ND	16	330	"							
4-Methylphenol	ND	11	330	"							
Naphthalene	ND	13	330	"							
2-Nitroaniline	ND	17	1700	"							
3-Nitroaniline	ND	18	1700	"							
4-Nitroaniline	ND	22	1700	"							
Nitrobenzene	ND	16	330	"							
2-Nitrophenol	ND	14	330	"							
4-Nitrophenol	ND	23	1700	"							
N-Nitrosodimethylamine	ND	16	330	"							
N-Nitrosodiphenylamine	ND	17	330	"							
N-Nitrosodi-n-propylamine	ND	15	330	"							
Pentachlorophenol	ND	12	1700	"							
Phenanthrene	ND	14	330	"							
Phenol	ND	12	330	"							
Pyrene	ND	12	330	"							
1,2,4-Trichlorobenzene	ND	15	330	"							
2,4,5-Trichlorophenol	ND	14	330	"							
2,4,6-Trichlorophenol	ND	9.4	330	"							
Surrogate: 2-Fluorophenol	3160			"	5000		63	11-120			
Surrogate: Phenol-d6	3490			"	5000		70	16-130			
Surrogate: Nitrobenzene-d5	2490			"	3330		75	16-126			
Surrogate: 2-Fluorobiphenyl	2620			"	3330		79	28-134			
Surrogate: 2,4,6-Tribromophenol	3890			"	5000		78	51-144			
Surrogate: Terphenyl-d14	3540			"	3330		106	64-119			

Sequoia Analytical - Petaluma

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Environmental Resources Management  
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Sacramento CA, 95833

Project: Aerojet RI/FS  
Project Number: N/A  
Project Manager: Bruce Lewis

P308004  
**Reported:**  
08/19/03 16:23

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 3080047 - EPA 3550A Sonication

##### Laboratory Control Sample (3080047-BS1)

Prepared: 08/05/03 Analyzed: 08/13/03

Acenaphthene	2770	8.7	330	ug/kg	3330		83	34-114		
4-Chloro-3-methylphenol	2910	11	660	"	3330		87	24-118		
2-Chlorophenol	2510	16	330	"	3330		75	29-101		
1,4-Dichlorobenzene	2470	15	330	"	3330		74	25-104		
2,4-Dinitrotoluene	3540	20	330	"	3330		106	42-116		
4-Nitrophenol	3130	23	1700	"	3330		94	31-109		
N-Nitrosodi-n-propylamine	2540	15	330	"	3330		76	23-117		
Pentachlorophenol	3310	12	1700	"	3330		99	34-114		
Phenol	2430	12	330	"	3330		73	20-105		
Pyrene	3630	12	330	"	3330		109	30-124		
1,2,4-Trichlorobenzene	2740	15	330	"	3330		82	28-112		

Surrogate: 2-Fluorophenol	3480			"	5000		70	11-120		
Surrogate: Phenol-d6	3610			"	5000		72	16-130		
Surrogate: Nitrobenzene-d5	2710			"	3330		81	16-126		
Surrogate: 2-Fluorobiphenyl	2740			"	3330		82	28-134		
Surrogate: 2,4,6-Tribromophenol	4950			"	5000		99	51-144		
Surrogate: Terphenyl-d14	3590			"	3330		108	64-119		

##### Matrix Spike (3080047-MS1)

Source: P308004-10

Prepared: 08/05/03 Analyzed: 08/13/03

Acenaphthene	2710	8.7	330	ug/kg	3330	ND	81	30-110		
4-Chloro-3-methylphenol	2910	11	660	"	3330	ND	87	27-109		
2-Chlorophenol	2540	16	330	"	3330	ND	76	24-98		
1,4-Dichlorobenzene	2400	15	330	"	3330	ND	72	24-89		
2,4-Dinitrotoluene	3590	20	330	"	3330	ND	108	35-110		
4-Nitrophenol	3210	23	1700	"	3330	ND	96	20-110		
N-Nitrosodi-n-propylamine	2510	15	330	"	3330	ND	75	23-109		
Pentachlorophenol	3240	12	1700	"	3330	ND	97	25-123		
Phenol	2430	12	330	"	3330	ND	73	19-100		
Pyrene	3620	12	330	"	3330	ND	109	12-131		
1,2,4-Trichlorobenzene	2630	15	330	"	3330	ND	79	17-110		

Surrogate: 2-Fluorophenol	3470			"	5000		69	11-120		
Surrogate: Phenol-d6	3620			"	5000		72	16-130		
Surrogate: Nitrobenzene-d5	2640			"	3330		79	16-126		
Surrogate: 2-Fluorobiphenyl	2420			"	3330		73	28-134		
Surrogate: 2,4,6-Tribromophenol	4780			"	5000		96	51-144		
Surrogate: Terphenyl-d14	3580			"	3330		108	64-119		

Sequoia Analytical - Petaluma

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2525 Natomas Park Drive, Suite 350  
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Project: Aerojet RI/FS  
Project Number: N/A  
Project Manager: Bruce Lewis

P308004  
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08/19/03 16:23

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 3080047 - EPA 3550A Sonication

Matrix Spike Dup (3080047-MSD1)		Source: P308004-10			Prepared: 08/05/03		Analyzed: 08/13/03				
Acenaphthene	2870	8.7	330	ug/kg	3330	ND	86	30-110	6	26	
4-Chloro-3-methylphenol	2990	11	660	"	3330	ND	90	27-109	3	21	
2-Chlorophenol	2590	16	330	"	3330	ND	78	24-98	2	27	
1,4-Dichlorobenzene	2470	15	330	"	3330	ND	74	24-89	3	25	
2,4-Dinitrotoluene	3440	20	330	"	3330	ND	103	35-110	4	15	
4-Nitrophenol	3030	23	1700	"	3330	ND	91	20-110	6	23	
N-Nitrosodi-n-propylamine	2630	15	330	"	3330	ND	79	23-109	5	31	
Pentachlorophenol	3070	12	1700	"	3330	ND	92	25-123	5	43	
Phenol	2460	12	330	"	3330	ND	74	19-100	1	21	
Pyrene	3430	12	330	"	3330	ND	103	12-131	5	26	
1,2,4-Trichlorobenzene	2760	15	330	"	3330	ND	83	17-110	5	30	
Surrogate: 2-Fluorophenol	3560			"	5000		71	11-120			
Surrogate: Phenol-d6	3690			"	5000		74	16-130			
Surrogate: Nitrobenzene-d5	2750			"	3330		83	16-126			
Surrogate: 2-Fluorobiphenyl	2750			"	3330		83	28-134			
Surrogate: 2,4,6-Tribromophenol	4720			"	5000		94	51-144			
Surrogate: Terphenyl-d14	3450			"	3330		104	64-119			

#### Batch 3080056 - EPA 3520B LiqLiquid

Blank (3080056-BLK1)		Prepared: 08/05/03			Analyzed: 08/13/03						
Acenaphthene	ND	1.2	10	ug/l							
Acenaphthylene	ND	1.4	10	"							
Anthracene	ND	0.60	10	"							
Azobenzene	ND	0.63	20	"							
Benzidine	ND	3.2	50	"							
Benzoic acid	ND	3.9	50	"							
Benzo (a) anthracene	ND	0.44	10	"							
Benzo (b+k) fluoranthene (total)	ND	1.1	10	"							
Benzo (g,h,i) perylene	ND	0.64	10	"							
Benzo (a) pyrene	ND	0.87	10	"							
Benzyl alcohol	ND	3.9	20	"							
Bis(2-chloroethoxy)methane	ND	1.1	10	"							
Bis(2-chloroethyl)ether	ND	1.5	10	"							
Bis(2-chloroisopropyl)ether	ND	1.5	10	"							
Bis(2-ethylhexyl)phthalate	ND	2.8	10	"							
4-Bromophenyl phenyl ether	ND	0.70	10	"							

Sequoia Analytical - Petaluma

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Project: Aerojet RI/FS  
Project Number: N/A  
Project Manager: Bruce Lewis

P308004  
**Reported:**  
08/19/03 16:23

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 3080056 - EPA 3520B LiqLiquid

#### Blank (3080056-BLK1)

Prepared: 08/05/03 Analyzed: 08/13/03

Butyl benzyl phthalate	ND	2.7	10	ug/l
4-Chloroaniline	ND	0.55	20	"
4-Chloro-3-methylphenol	ND	2.3	20	"
2-Chloronaphthalene	ND	1.4	10	"
2-Chlorophenol	ND	0.31	10	"
4-Chlorophenyl phenyl ether	ND	0.97	10	"
Chrysene	ND	0.45	10	"
Dibenz (a,h) anthracene	ND	0.55	10	"
Dibenzofuran	ND	1.1	10	"
Di-n-butyl phthalate	ND	1.1	10	"
1,2-Dichlorobenzene	ND	1.8	10	"
1,3-Dichlorobenzene	ND	1.8	10	"
1,4-Dichlorobenzene	ND	1.8	10	"
3,3'-Dichlorobenzidine	ND	2.9	20	"
2,4-Dichlorophenol	ND	0.47	10	"
Diethyl phthalate	ND	0.42	10	"
2,4-Dimethylphenol	ND	1.4	10	"
Dimethyl phthalate	ND	0.56	10	"
4,6-Dinitro-2-methylphenol	ND	3.4	50	"
2,4-Dinitrophenol	ND	2.3	50	"
2,4-Dinitrotoluene	ND	0.82	10	"
2,6-Dinitrotoluene	ND	0.76	10	"
Di-n-octyl phthalate	ND	0.81	10	"
Fluoranthene	ND	0.44	10	"
Fluorene	ND	1.0	10	"
Hexachlorobenzene	ND	0.79	10	"
Hexachlorobutadiene	ND	1.5	10	"
Hexachlorocyclopentadiene	ND	0.31	10	"
Hexachloroethane	ND	1.7	10	"
Indeno (1,2,3-cd) pyrene	ND	0.61	10	"
Isophorone	ND	0.71	10	"
2-Methylnaphthalene	ND	1.4	10	"
2-Methylphenol	ND	3.4	10	"
4-Methylphenol	ND	3.0	10	"
Naphthalene	ND	1.6	10	"
2-Nitroaniline	ND	0.69	50	"
3-Nitroaniline	ND	0.54	50	"

Sequoia Analytical - Petaluma

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
Sacramento CA, 95833

Project: Aerojet RI/FS  
Project Number: N/A  
Project Manager: Bruce Lewis

P308004  
**Reported:**  
08/19/03 16:23

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 3080056 - EPA 3520B LiqLiquid

##### Blank (3080056-BLK1)

Prepared: 08/05/03 Analyzed: 08/13/03

4-Nitroaniline	ND	0.61	50	ug/l						
Nitrobenzene	ND	1.3	10	"						
2-Nitrophenol	ND	0.42	10	"						
4-Nitrophenol	ND	0.51	50	"						
N-Nitrosodimethylamine	ND	1.4	20	"						
N-Nitrosodiphenylamine	ND	3.9	10	"						
N-Nitrosodi-n-propylamine	ND	0.58	10	"						
Pentachlorophenol	ND	3.1	50	"						
Phenanthrene	ND	0.56	10	"						
Phenol	ND	0.48	10	"						
Pyrene	ND	0.28	10	"						
Pyridine	ND	3.8	10	"						
1,2,4-Trichlorobenzene	ND	1.7	10	"						
2,4,5-Trichlorophenol	ND	0.61	10	"						
2,4,6-Trichlorophenol	ND	0.31	10	"						
Surrogate: 2-Fluorophenol	83.4			"	150		56	15-103		
Surrogate: Phenol-d6	120			"	150		80	18-115		
Surrogate: Nitrobenzene-d5	95.4			"	100		95	39-103		
Surrogate: 2-Fluorobiphenyl	94.5			"	100		94	40-124		
Surrogate: 2,4,6-Tribromophenol	152			"	150		101	11-142		
Surrogate: Terphenyl-d14	122			"	100		122	56-139		

##### Laboratory Control Sample (3080056-BS1)

Prepared: 08/05/03 Analyzed: 08/13/03

Acenaphthene	105	1.2	10	ug/l	100		105	58-120		
4-Chloro-3-methylphenol	110	2.3	20	"	100		110	51-116		
2-Chlorophenol	90.9	0.31	10	"	100		91	28-111		
1,4-Dichlorobenzene	82.1	1.8	10	"	100		82	29-108		
2,4-Dinitrotoluene	122	0.82	10	"	100		122	60-114		Q-LIM
4-Nitrophenol	101	0.51	50	"	100		101	25-148		
N-Nitrosodi-n-propylamine	96.2	0.58	10	"	100		96	29-119		
Pentachlorophenol	112	3.1	50	"	100		112	40-131		
Phenol	83.2	0.48	10	"	100		83	22-117		
Pyrene	120	0.28	10	"	100		120	52-127		
1,2,4-Trichlorobenzene	91.3	1.7	10	"	100		91	24-131		
Surrogate: 2-Fluorophenol	113			"	150		75	15-103		
Surrogate: Phenol-d6	124			"	150		83	18-115		
Surrogate: Nitrobenzene-d5	102			"	100		102	39-103		

Sequoia Analytical - Petaluma

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
Sacramento CA, 95833

Project: Aerojet RI/FS  
Project Number: N/A  
Project Manager: Bruce Lewis

P308004  
**Reported:**  
08/19/03 16:23

## Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

### Sequoia Analytical - Petaluma

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 3080056 - EPA 3520B LiqLiquid

##### Laboratory Control Sample (3080056-BS1)

Prepared: 08/05/03 Analyzed: 08/13/03

Surrogate: 2-Fluorobiphenyl	103			ug/l	100	103	40-124			
Surrogate: 2,4,6-Tribromophenol	179			"	150	119	11-142			
Surrogate: Terphenyl-d14	121			"	100	121	56-139			

##### Laboratory Control Sample Dup (3080056-BSD1)

Prepared: 08/05/03 Analyzed: 08/13/03

Acenaphthene	104	1.2	10	ug/l	100	104	58-120	1	27	
4-Chloro-3-methylphenol	111	2.3	20	"	100	111	51-116	0.9	30	
2-Chlorophenol	92.0	0.31	10	"	100	92	28-111	1	39	
1,4-Dichlorobenzene	83.2	1.8	10	"	100	83	29-108	1	41	
2,4-Dinitrotoluene	119	0.82	10	"	100	119	60-114	2	22	Q-LIM
4-Nitrophenol	96.3	0.51	50	"	100	96	25-148	5	44	
N-Nitrosodi-n-propylamine	95.7	0.58	10	"	100	96	29-119	0.5	44	
Pentachlorophenol	109	3.1	50	"	100	109	40-131	3	33	
Phenol	84.2	0.48	10	"	100	84	22-117	1	33	
Pyrene	117	0.28	10	"	100	117	52-127	3	25	
1,2,4-Trichlorobenzene	94.0	1.7	10	"	100	94	24-131	3	48	
Surrogate: 2-Fluorophenol	116			"	150	77	15-103			
Surrogate: Phenol-d6	125			"	150	83	18-115			
Surrogate: Nitrobenzene-d5	103			"	100	103	39-103			
Surrogate: 2-Fluorobiphenyl	104			"	100	104	40-124			
Surrogate: 2,4,6-Tribromophenol	174			"	150	116	11-142			
Surrogate: Terphenyl-d14	118			"	100	118	56-139			

Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
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Project: Aerojet RI/FS  
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P308004  
**Reported:**  
08/19/03 16:23

### Notes and Definitions

J	Estimated value.
Q-LIM	The percent recovery was outside of the control limits. The samples results may still be useful for their intended purpose.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference



## Chain of Custody Record

No 1106

E.T.R. NO:

WORK ORDER NO:

SOURCE SITE NO:

AUGER HOLE NO:

SAMPLERS (SIGNATURE)

*[Signature]* DEMAND WILCELE

COC SAMPLE ID	FIELD SAMPLE NO.	DEPTH (FT.)	DATE MM/DD/YY	TIME	TYPE OF CONTAINER	#	SOIL	VOL	BNA	MET	PER	TR	LAB	REMARKS
1106 A	35D-SB26-20	20	07/128/03	1615	256" 3/4" 1/2" 1/4" 1/8" 1/16" 1/32" 1/64" 1/128" 1/256" 1/512" 1/1024" 1/2048" 1/4096" 1/8192" 1/16384" 1/32768" 1/65536" 1/131072" 1/262144" 1/524288" 1/1048576" 1/2097152" 1/4194304" 1/8388608" 1/16777216" 1/33554432" 1/67108864" 1/134217728" 1/268435456" 1/536870912" 1/1073741824" 1/2147483648" 1/4294967296" 1/8589934592" 1/17179869184" 1/34359738368" 1/68719476736" 1/137438953472" 1/274877907344" 1/549755814688" 1/1099511629376" 1/2199023258752" 1/4398046517504" 1/8796093035008" 1/17592186070016" 1/35184372140032" 1/70368744280064" 1/140737488560128" 1/281474977120256" 1/562949954240512" 1/1125899908481024" 1/2251799816962048" 1/4503599633924096" 1/9007199267848192" 1/18014398537776384" 1/36028797075552768" 1/72057594151105536" 1/144115188302211072" 1/288230376604422144" 1/576460753208844288" 1/1152921506417688576" 1/2305843012835377152" 1/4611686025670754304" 1/9223372051341508608" 1/1844674410683017216" 1/3689348821366034432" 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# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: Amojet  
 REC. BY (PRINT) W  
 WORKORDER: P308004

DATE Received at Lab: 7-30-03  
 TIME Received at Lab: 1630  
 LOG IN DATE: 8-1-03

(Drinking water) for regulatory purposes: YES/NO  
 (Wastewater) for regulatory purposes: YES/NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	#	CLIENT ID	DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC.)
1. Custody Seal(s) Present / <u>Absent</u> Intact / Broken *			37D-3601-2.5	MC	3	7-24-03	
2. Chain-of-Custody <u>Present</u> / Absent *			-6				
3. Traffic Reports or Packing List: Present / Absent			10				
4. Airbill: Airbill / Sticker Present / <u>Absent</u>			15E	X21C4	W		
5. Airbill #:			15	MC	S		
6. Sample Labels: <u>Present</u> / Absent			20				
7. Sample IDs: <u>Listed</u> / Not Listed on Chain-of-Custody			25				
8. Sample Condition: <u>Intact</u> / Broken * / Leaking *			30				
9. Does information on custody reports, traffic reports and sample labels agree?			30D				
10. Sample received within hold time:			35				
11. Proper Preservatives used:			40				
12. Temp Rec. at Lab: (Acceptance range for samples requiring thermal pres.: 4+/-2°C)							

\* If Circled, contact Project Manager and attach record of resolution.